

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
 Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT ID</u> KIAH	<u>PROCEDURE NAME</u> ILS OR LOC RWY 27 ILS RWY 27 (SA CAT I), ILS RWY 27 (CAT II), ILS RWY 27 (CAT III)		<u>ORIGINAL/AMENDMENT</u> 11D	<u>CITY</u> HOUSTON	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 96	<u>TDZE</u> 86	<u>SUPERSEDED</u> ILS OR LOC RWY 27 ILS RWY 27 (SA CAT I), ILS RWY 27 (CAT II), ILS RWY 27 (CAT III)	<u>ORIGINAL/AMENDMENT</u> 11C	<u>DATED</u> 04/22/2021	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2010	
<u>FACILITY</u> I-GHI	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 AUGUST 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>			

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
RDFSH	IAF	GEYGR		TF	FB	1.00	312.89	7.00	4000
GEYGR		SYKYO		TF	FB	1.00	313.47	4.00	3000
SYKYO		TRANN INT		TF	FB	1.00	287.02	3.00	3000
CLSIK	IAF	GRUNG		TF	FB	1.00	245.63	4.11	4000
GRUNG		SILLS		TF	FB	1.00	267.24	6.21	4000
SILLS INT/27.00 DME	IAF	TRANN INT/21.96 DME					266.97	5.04 (I-GHI)	3000
TRANN INT/21.96 DME		DENTO/17.73 DME					266.97	4.23 (I-GHI)	2000
DENTO/17.73 DME	IF	FESTA/10.51 DME					266.97	7.22 (I-GHI)	2000
FESTA/10.51 DME		REDOC/6.07 DME					266.97	4.44 (I-GHI)	1500

MISSED APPROACH

MAP:

ILS: DA
 LOC: 1.80 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 560 THEN CLIMBING LEFT TURN TO 3000 ON IAH VORTAC R-215 TO TIC0Y/IAH 20.00 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
KIAH	ILS OR LOC RWY 27 ILS RWY 27 (SA CAT I), ILS RWY 27 (CAT II), ILS RWY 27 (CAT III)	11D	HOUSTON	TX

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT TRANN					
3. FAC:	266.97	FAF: REDOC/6.07 DME	DIST FAF TO MAP:		DIST FAF TO THLD: 4.27
4. MIN ALT:	TRANN INT/21.96 DME 3000, DENTO/17.73 DME 2000, FESTA/10.51 DME 2000, REDOC/6.07 DME 1500				
5. DIST TO THLD FROM OM:	MM:	IM: 911	100 HAT: 859	150 HAT: 1853	GS ANT: 1035
6. MIN GS INCPT:	1500	GS ALT AT FAF :	REDOC/6.07 DME 1500	OM:	MM:IM:
7. GP ANGLE:	3.00	34:1:	20:1:	TCH: 55.0	
8. MSA FROM:	IAH VORTAC 015-230 3100, 230-015 2400				

EQUIPMENT REQUIREMENTS NOTES:

RNAV 1-GPS OR RADAR REQUIRED FOR PROCEDURE ENTRY.
 DME REQUIRED.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 27: CAT A, B, C, D, RA 157, RVR 1400, HAT 150, DA 236 MSL.
 CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 27: CAT A, B, C, D, RA 101, RVR 1200, HAT 100, DA 186 MSL.
 CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 27: CAT A, B, C, D, RVR 600
 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
 CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
 SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.
 CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.
 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 27 CAT E VISIBILITY TO RVR 4000 AND S-LOC 27 CAT C-E VISIBILITY TO 1 3/8 SM.
 CHART SPEED ICON IN PLANVIEW AT RDFSH: MAX 210 KIAS.
 CHART SPEED ICON IN PLANVIEW AT CLSIK: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 6000 AT RDFSH.
 CHART MANDATORY 4000 AT CLSIK.
 HOLD SW, RT, 034.90 INBOUND.
 FAS OBST: 294 AAO 295910N/0951352W.
 CHART VDP AT 3.07 DME
 DISTANCE VDP TO THLD 1.27 NM.
 CHART MANDATORY 4000 AT GEYGR.
 CHART MANDATORY 3000 AT SYYKO.
 CHART MANDATORY 4000 AT SILLS.



AIRPORT ID
KIAH

PROCEDURE NAME
ILS OR LOC RWY 27
ILS RWY 27 (SA CAT I),
ILS RWY 27 (CAT II),
ILS RWY 27 (CAT III)

ORIGINAL/AMENDMENT
11D

CITY
HOUSTON

STATE
TX

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-ILS 27	286	1800	200	286	1800	200	286	1800	200	286	1800	200	286	1800	200
S-LOC 27	560	2400	474	560	2400	474	560	5000	474	560	5000	474	560	5000	474

CHANGES - REASONS

1. CHANGED MAGNETIC COURSE FROM GEYGR TO SYKKO FROM "314.47" TO "313.47" IN TERMINAL ROUTES -- CORRECTED MAGNETIC COURSE ONLY.
2. CHANGED SILLS TO TRANN FIX DESCRIPTION IN TERMINAL ROUTES FROM "SILLS/27.00 DME" TO "SILLS INT/27.00 DME" -- CORRECTED FIX DESCRIPTION ONLY.
3. REMOVED "'LOC ONLY" FROM VDP IN ADDITIONAL FLIGHT DATA -- NO LONGER REQUIRED PER CURRENT CRITERIA.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZHU, IAH APP CON, AMGR, ATA

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

Digitally signed by

DATE

JASON KRETSCHMER

May 20, 2021

OFFICE

AJV-A421

DATE

03/31/2021

DEVELOPED BY

JASON KRETSCHMER (DANIEL C JOHNSEN)

Digitally signed by

JASON KRETSCHMER

May 20, 2021

Digitally signed by

JASON KRETSCHMER

May 20, 2021

OFFICE

AJV-A420

DATE

TITLE
MANAGER

APPROVED BY

MARLON ROBINSON

QUALITY
21
CHECKED